027817

MULTIGLOW Fires

Classic II

DECORATIVE FUEL EFFECT APPLIANCES FOR USE WITH NATURAL GAS

INSTALLATION, SERVICING & USER INSTRUCTIONS

THESE INSTRUCTIONS TO BE LEFT WITH THE USER

MANUFACTURED BY:

MULTIGLOW FIRES
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Kent CT7 0PQ

MAN003:07

THIS APPLIANCE HAS A HEAT INPUT OF LESS THAN 7KW, THEREFORE NO VENT IS REQUIRED SUBJECT TO FLUE PULL BEING CORRECT.

PLEASE READ THESE INSTRUCTIONS FULLY BEFORE COMMISSIONING OR USE

CONFORMITY

Because Multiglow Fires believe in the use of modern technology and materials, they reserve the rights to modify or change the layout and controls of their burner trays, at any time, whilst still complying with current specifications.

Therefore, these 'Instructions' are a general guide only and are not specifically in compliance with the shape or size of your appliance. These units must be installed in line with the current **'GAS SAFETY (INSTALLATION AND USE) REGULATION'** applicable to the country of use.

NOTE: For the safe and efficient operation of this appliance, it must be installed inline with current British Standard (BS 5871: PART 3) or the equivalent standard for the country of use and take into account the local and national building regulations or bylaws where necessary.

NOTE: This appliance has been designed for use on NATURAL GAS only. Prior to installation, ensure that the distribution conditions (identification of the type of gas and pressure) and the adjustment of the appliance are compatible.

NOTE: **THE WHITE FIBRE BLANKET SHOULD NOT BE REMOVED FROM THE BURNER TRAY**

NOTE: Multiglow Fires will **NOT** accept any liability or responsibility for an appliance that has been installed outside of the technical data specified in this manual and is not in agreement with the above statements.

GENERAL NOTES

SECTION 1

The MULTIGLOW CLASSIC II is a Decorative Fuel Effect (D.F.E.) primary aerated gas fire, designed to comply with BS EN 509:2000 and is intended for decorative use only. It has been designed to operate on Natural Gas (N.G.) only and must be fitted on a non-combustible hearth in a standard builders opening, with a Class 1 chimney in compliance and satisfying the requirements of BS 5871- PART 3. The appliance has been tested and approved with a flue of 7" (178mm) diameter and having a minimum effective height of 10ft.(3m).

The MULTIGLOW CLASSIC II conforms to the relevant Safety Standards but during use, there are naked flames and parts of the casing become hot. A suitable guard (to BS.6539 fireguards for use with solid fuel appliances) is therefore recommended, where the young, elderly or infirm are concerned.

NOTE: The larger of the units manufactured have gas consumption similar to that of a small boiler (i.e. 50000 BTU). Therefore, it is essential that the gas supply pipe work be of a size that will allow for the correct flow rate (See **TECHNICAL DATA** for required information). Ideally the 8mm connection pipe to the burner should be as short as possible and the maximum length should not be greater than 1m. Also ensure that the isolating tap does not have a reduced bore.

NOTE: The Basket or Fret used with this appliance will become hot during use. Care should be taken when operating the controls.

TECHNICAL DATA

SECTION 2

GAS TYPE G20 @ 20 mBAR CATEGORIES I2H, I2E AND I2E+

SIZE	A	B	C	D	E	F	G	H
SURFACE AREA IN SQ. CM	250/450	451/650	651/850	851/1050	1051/1250	1251/1450	1451/1650	1651/1850
HEAT INPUT (GROSS K.W.)	6.00	6.95	8.5	10.5	11.5	13	14.5	15.25
FLOW RATE (M3/HR)	0.55	0.65	0.81	0.9	1.09	1.24	1.38	1.44
WORKING "P" (MBAR)	20	20	20	20	20	20	20	20
BURNER TEST "P"	16.9	9.5	15.6	13.2	13.1	13.8	13.7	9.00
VALVE Multi functional	V3-99A	V3-99A	V3-99A	V3-99A	BM733-15	BM733-15	BM733-15	BM733-15
PILOT OXY DEPLETION DEVICE	OP9039	OP9039	OP9039	OP9039	P4-12D	P4-12D	P4-12D	P4-12D
INJECTOR	16/540	16/650	16/650	16/900	16/1100	16/1100	16/1200	16/1500
DATA LABEL	← AFFIXED TO BURNER TRAY →							

NOTE: Sizes A and B are rated below 7kw, therefore no vent is required if the flue flow for the clearance of the products of combustion is correct.

NOTE: Sizes A and B can be used with class 2 flue (5" diameter)

NOTE: Both the types of control valves and pilots (oxy depletion devices) can be fitted and used with each size of burner. Check which one has been used before ordering spares. See section 8 and fig. 1,2 and 3.

NOTE: Size circled corresponds to this appliance.

GAS TYPE G25 @ 25 mBAR CATEGORY I2L

SIZE	A	B	C	D	E	F	G	H
SURFACE AREA IN SQ. CM	250/450	451/650	651/850	851/1050	1051/1250	1251/1450	1451/1650	1651/1850
HEAT INPUT (GROSS K.W.)	5.8	6.9	8.5	9.5	11.5	13	14.5	16
FLOW RATE (M3/HR)	0.55	0.65	0.81	0.9	1.09	1.24	1.38	1.52
WORKING "P" (MBAR)	25	25	25	25	25	25	25	25
BURNER TEST "P"		7.19		15.4			14.5	
VALVE Multi functional	V3-99A	V3-99A	V3-99A	V3-99A	V3-99A	BM733-15	BM733-15	BM733-15
PILOT OXY DEPLETION DEVICE	OP9039	OP9039	OP9039	OP9039	P4-12D	P4-12D	P4-12D	P4-12D
INJECTOR	16/540	16/540	16/650	16/650	16/1100	16/1100	16/1200	16/1500

NOTE: Size circled corresponds to this appliance..

SECTION 3 REGULATIONS AND CODE OF PRACTICE

3.1 In your own interest and safety it is law that all gas appliances are installed by a competent person, in accordance with the current Gas Safety (Installation and Use) Regulations applicable in the country of use. In addition, the installation must be carried out in accordance with the relevant and current local and national specifications and building regulations

3.2 The fireplace surround, hearth and builders opening shall be of non-combustible material. Hearth and clearance dimensions must comply with the requirements of BS 5071: PART 3

WARNING: This appliance must not be fitted in any room where steam is present. (e.g. Bathroom)

3.3 The appliance must be mounted behind a non-combustible hearth and be 50mm (2") above floor level to discourage the over-laying of carpets or rugs etc.

3.4 The minimum clearance height above fireplace opening for a combustible shelf (having a depth of 150mm (6") is 200mm (8"), add 12mm (½") for each additional 25mm (1") depth of shelf.

WARNING: Please note that soft wall coverings may become discoloured when close to a heating appliance – this should be born in mind.

3.5 The minimum flue opening is 178mm (7") diameter 250 sq. cm. (38½ sq. inches) and a minimum effective height 3m (10ft). Provided that the flue, which is to serve this appliance, satisfies the requirements of BS 5871: PART 3 then a terminal in-line fan satisfying BS 5440: PART1 may be used to improve flue draught.

WARNING: The flue must **NOT** be shared with any other appliance.

3.6 All chimney dampers or restrictions should be removed or permanently fixed in the open position.

WARNING: If the fireplace has previously been used with solid fuel the flue should be swept clean prior to installation.

3.7 The room in which the appliance is to be fitted must have permanent air vent with a minimum effective area of 100cm sq. (15½ sq. inches) and be accessible to the outside air, unless specifically stated otherwise by the manufacturer.

NOTE: Vent should be checked on a regular basis to ensure that there is no obstruction

WARNING: An extractor fan must not be fitted in the room that the ventilation is taken from.

PRE-INSTALLATION CHECK

SECTION 4 FLUE SOUNDNESS

4.1 Using a smoke bomb, carry out a flue test to check the effectiveness of the flue and ensure that there is no leakage into another part of the premises (including any loft) or, as appropriate, other adjoining premises.

NOTE: Although a smoke pellet produces a large amount of smoke, the volume is small compared with the combustion products from an appliance. Clearance of smoke from a pellet is, therefore, no guarantee that the products of combustion from the appliance will clear. This must be tested after the installation is completed by carrying out a spillage test.

WARNING: Smoke escaping anywhere other than the correct terminal, or a down-draught or no-flow condition, indicates an unsatisfactory flue. The flue may need attention - seek expert advice.

VENTILATION

4.2 In line with 3.7 above, make sure that the room or space where the appliance is located is adequately ventilated and that the means of ventilation is suitable.

NOTE: The size and type of ventilation should take into account any other gas appliance that may be fitted in the room or space.

GAS SOUNDNESS

4.3 It is a requirement that a means of shutting off the gas supply to the appliance is provided, so that it allows for gas soundness checks to be carried out on the installation pipe work and also provides the means of isolating/disconnecting the appliance in case of emergency.

NOTE: Check that an adequate size gas supply isolating tap is fitted and working.

CHECK CARTON CONTENTS

4.4 CONTENTS:

1 x Installation & Servicing Instructions
1 x Burner Control Unit
1 x Nut and Olive for 8mm Inlet Pipe
1 x 1½ meter 8mm Copper Pipe
1 x Pack of Coals/Logs

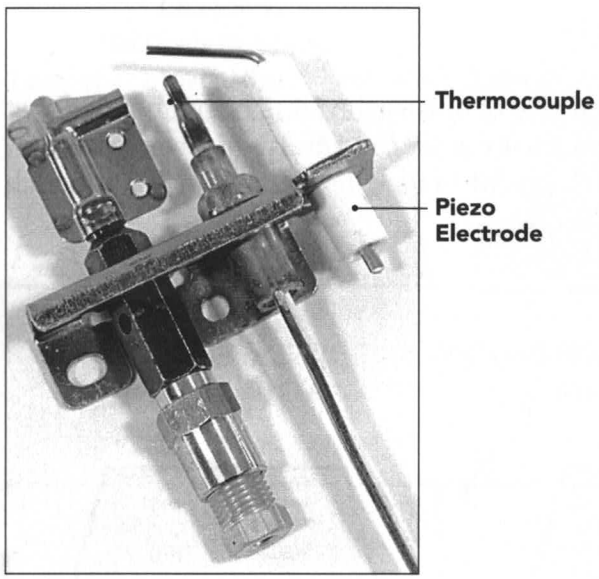
COMPATIBILITY

4.5 Before commencing installation, check that the local distribution conditions (identification of type of gas and pressure) and the adjustment of the appliance are compatible.

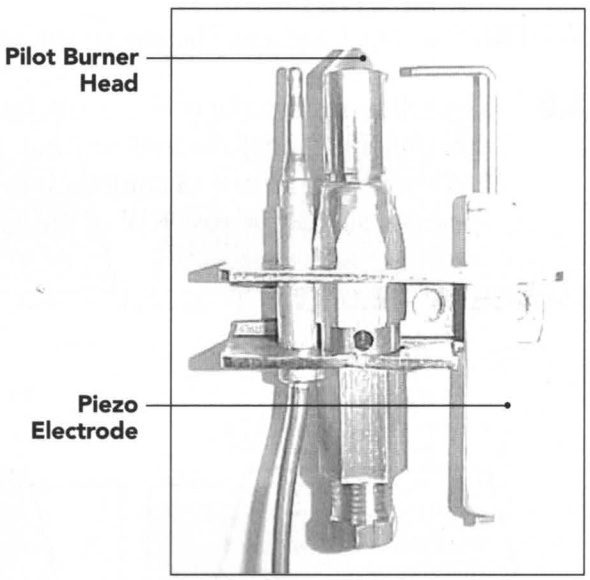
IGNITION CHECK

4.6 The pilot and ignition unit is mounted to the front and centre of the main burner unit. Check by observation that a spark is produced between the pilot thermocouple/burner head and the piezo electrode by turning the control valve knob anti-clockwise until there is a definite click.

OXYPILOT MODEL OP9039



CO-PILOT MODEL P4-12D



INSTALLATION

SECTION 5 POSITIONING

5.1 The fire should be fitted under the flue opening so that no part of the fire bed projects beyond the fireplace opening. If your appliance is fitted with legs, it is a free-standing type and is to be secured to the hearth floor.

5.2 Proceed as follows:

(a) Place appliance centrally into fire opening so that the back of the burner tray touches the rear wall of the fireback insert.

(b) Mark the hearth floor through the fixing holes provided in appliance mounting legs.

(c) Remove appliance and using a suitable masonry drill, drill marked positions and fit suitable raw plugs.

(d) Replace and realign appliance and/or secure into position with suitable screws.

NOTE: If appliance is to be used in conjunction with a free-standing basket, place burner tray into basket and secure with fixing provided then position both burner tray and basket centrally into hearth opening.

CONNECT TO GAS SUPPLY

5.3 Purge the gas supply pipe work to remove air and debris BEFORE connection of fire. The 8mm pipe should be used to connect valve to an isolating tap which must be adjacent to the appliance (so that when tap is closed appliance is totally isolated).

NOTE: Soft soldered joints should not be used beneath the burner tray.

WARNING: Flexible pie must not be used.

5.4 Turn on gas supply and check for gas soundness. (Tests should be carried out in accordance with current Gas Safety Regulations).

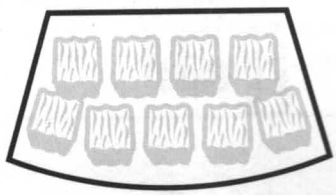
COAL PLACEMENT

NOTE: For Log/Coal Placement see appendix 1.

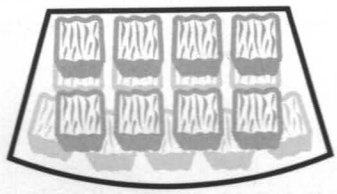
5.5 The following are the coal layouts for each range and size of burner tray. It is recommended that these layouts be followed so that your appliance meets and continues to meet European Standard with regard to combustion. To check which layout to use please see Data Plate which specifies size and Gross KW of the appliance.

RANGE 'A' – 6.0 KW: Total coals – 20 laid in 3 layers.

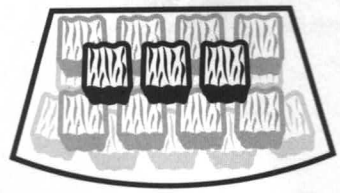
LAYER 1.
9 Coals in 2 rows
1 row of 4 and 1row of 5



LAYER 2.
8 Coals in 2 rows of 4

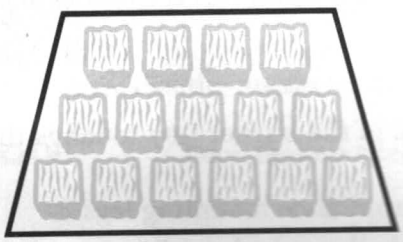


LAYER 3.
3 Coals in 1 row

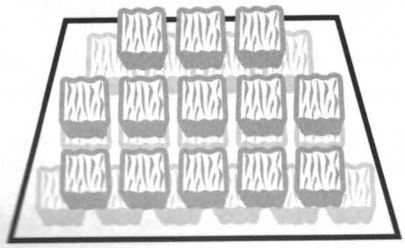


RANGE 'B' – 6.95 KW: Total coals – 33 laid in 3 layers.

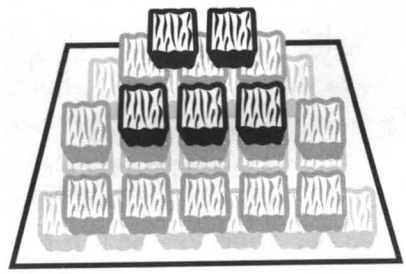
LAYER 1.
15 Coals in 3 rows
1 row of 4, 1 row of 5 and 1row of 6



LAYER 2.
13 Coals in 3 rows
1 row of 3 and 2 rows of 5

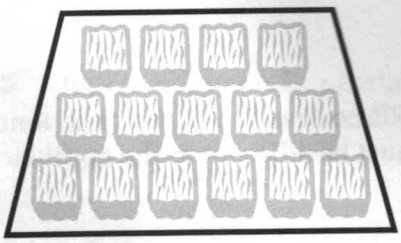


LAYER 3.
5 Coals in 2 rows
1 row of 2 and 1 row of 3

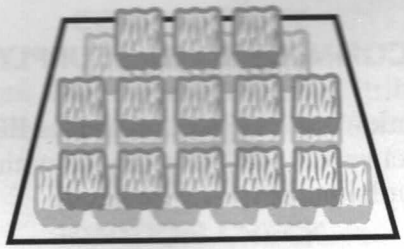


RANGE 'C' – 8.5 KW: Total coals – 40 laid in 4 layers.

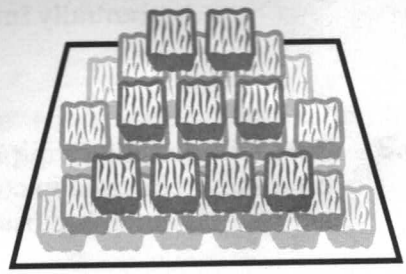
LAYER 1.
15 Coals in 3 rows
1 row of 4, 1 row of 5 and 1row of 6



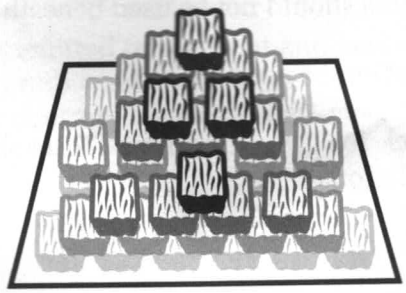
LAYER 2.
13 Coals in 3 rows
1 row of 3 and 2 rows of 5



LAYER 3.
9 Coals in 3 rows
1 row of 2, 1 row of 3 and 1 row of 4

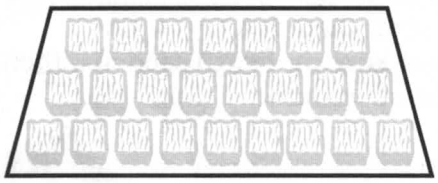


LAYER 4.
4 Coals in 3 rows

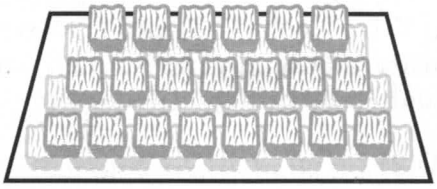


RANGE 'D' – 10.5 KW: Total coals – 55 laid in 3 layers.

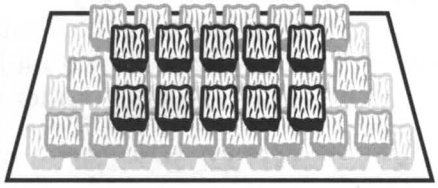
LAYER 1.
24 Coals in 3 rows
1 row of 7, 1 row of 8 and 1 row of 9



LAYER 2.
21 Coals in 3 rows
1 row of 6, 1 row of 7 and 1 row of 8

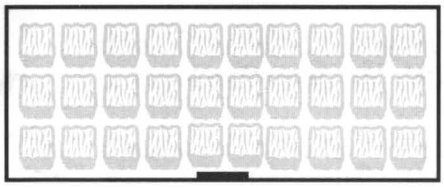


LAYER 3.
10 Coals in 2 rows of 5

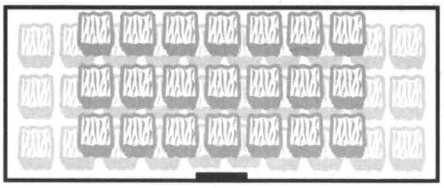


RANGE 'E' – 11.5 KW: Total coals – 63 laid in 3 layers.

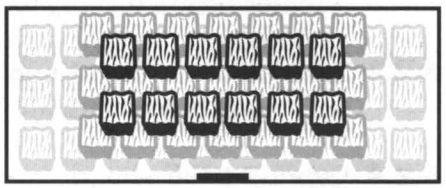
LAYER 1.
30 Coals in 3 rows of 10



LAYER 2.
21 Coals in 3 rows 7

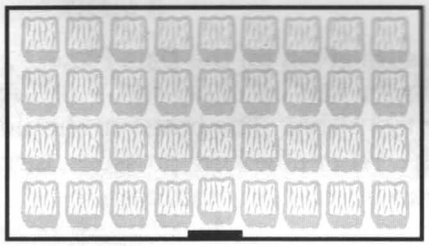


LAYER 3.
12 Coals in 2 rows of 6

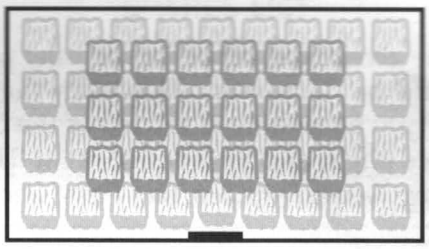


RANGE 'F' – 13 KW: Total coals – 64 laid in 3 layers.

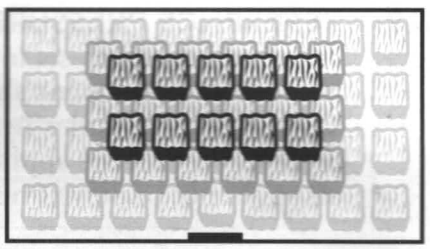
LAYER 1.
36 Coals in 4 rows of 9



LAYER 2.
18 Coals in 3 rows of 6

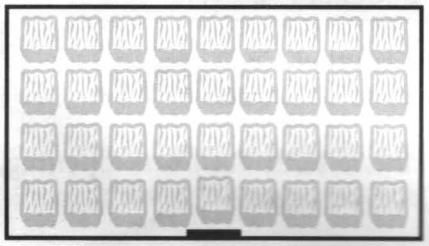


LAYER 3.
10 Coals in 2 rows of 5

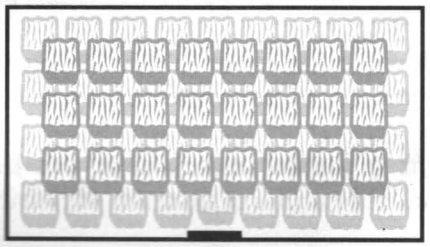


RANGE 'G' – 14.5 KW: Total coals – 74 laid in 3 layers.

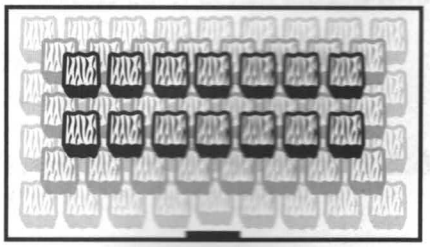
LAYER 1.
36 Coals in 4 rows of 9



LAYER 2.
24 Coals in 3 rows of 8

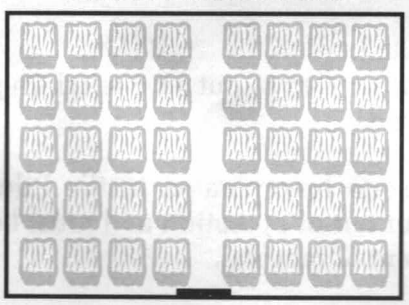


LAYER 3.
14 Coals in 2 rows of 7

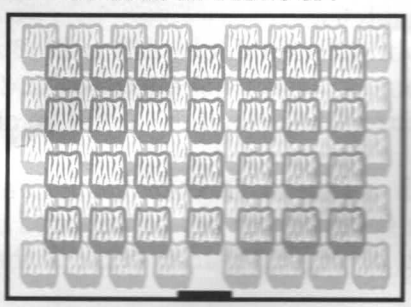


RANGE 'H' – 16 KW: Total coals – 86 laid in 3 layers.

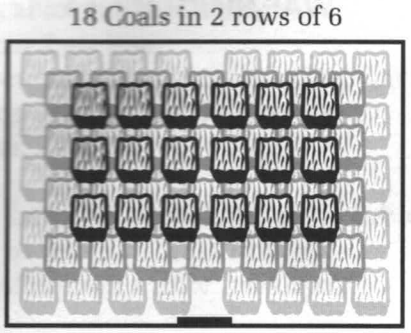
LAYER 1.
40 Coals in 5 rows of 8



LAYER 2.
28 Coals in 4 rows of 7



LAYER 3.
18 Coals in 2 rows of 6



FUNCTION CHECKS

SECTION 6 PILOT IGNITION

6.1 Turn on gas supply

Push in and turn the Control Valve Knob (*fig.2*) anti-clockwise until there is a definite click. The pilot burner should now be lit, hold control knob in for 10 seconds, then release. The pilot burner should remain alight (if not, repeat the operation).

6.2 CONTROL POSITION (FIG.2)

6.2.1 With the pilot burner lit, push in Control Valve Knob and turn fully anti-clockwise to the 'High' position. The main burner will ignite.

6.2.2 On lighting the main burner, it should remain on its 'High' setting for 10 minutes before turning to the 'Low' position.

6.2.3 Turn Control Valve Knob back clockwise to the 'Low' position. The flames will lower but remain alight.

6.2.4 Depress knob slightly and turn clockwise to the pilot position. The main burner will extinguish but the pilot will remain alight.

6.2.5 Depress knob slightly and turn clockwise to the 'Off' position. The pilot will now go out.

6.3 REFERENCE PRESSURE

The appliance is preset to the given heat input for the inlet pressure given on the Data Plate. No further adjustment should be necessary. However, the burner can be checked by fitting a pressure gauge at the Test Point accessible to the left of the Control Valve. The pressure should be checked with the appliance alight and the control set at 'High'. After checking pressure, turn off appliance, remove Pressure Gauge, replace Test Point Seal and check gas soundness.

6.4 CHECK FOR SPILLAGE

IMPORTANT: A SPILLAGE CHECK MUST BE MADE BEFORE THE INSTALLED APPLIANCE IS HANDED OVER TO THE CUSTOMER.

6.4.1 This test is to be carried out with the appliance fully fitted and front grate in position.

(a) Close all doors and windows of the room in which appliance is fitted.
(b) Light the fire and set the control to maximum and leave for five (5) minutes.

6.4.2 After five (5) minutes, light a smoke match and position flush with fireplace opening, a minimum of 50mm (2") from side and a maximum of 50mm (2") from top.

The installation is satisfactory if the smoke is drawn into the chimney and out of the room. If this does not happen then leave alight for a further (10) ten minutes and check again.

WARNING: If smoke is still not drawn into the chimney, turn off and disconnect the appliance and seek expert advice.

WARNING: If the fire goes out under normal operation and continues to go out after relighting, spillage has occurred and the flue should be checked.

6.4.3 This appliance is fitted with a pre-set Oxygen Depletion System incorporated in the Pilot Ignition Unit. Therefore this system must not be adjusted or put out of operation and must be replaced with a complete unit of original manufacture in the event of renewal.

FINAL CHECK & CUSTOMER BRIEFING

SECTION 7

7.1 Instruct the customer on the full operation of the appliance.

7.2 Recommend to the customer that the appliance should be serviced by a competent person annually.

7.3 Recommend to the customer that on a yearly basis the flue should be swept and that rubbish should not be burnt on the fire or fuel bed disturbed.

7.4 Instruct the customer that the pilot and flame sensing device fitted to this fire, also acts as an atmospheric sensing device, which shuts off the appliance if the evacuation of the products of the combustion is interrupted.

If the fire shuts off, restart the main burner as stated in section 6. If the appliance fails to relight or repeatedly cuts off, then do not use and inform a qualified person.

7.5 Hand over these User Instructions to the Customer.

SERVICING

SECTION 8 SPARES LIST

See Figs. 1 (a) and (b), 2 (a) and (b) and 3

FIG.NO.	DESCRIPTION	PART NO.	QTY.
1(a)	PILOT BURNER & IGNITION UNIT	9039	1
1(b)	PILOT BURNER & IGNITION UNIT	P4-12D	1
2 (a)	CONTROL VALVE COVER/KNOB	V3-99A	1
2 (b)	CONTROL VALVE	BM733-03-015	1
3	TEST PRESSURE ELBOW	W13105	1

All servicing of this appliance is to be carried out by a competent person.

Turn off gas supply before commencing any servicing. Always test for gas soundness and spillage after refitting the appliance.

8.1 GENERAL MAINTENANCE

At yearly intervals, turn off and allow to cool down. Check all logs/coals, pilot burner/ignition unit, for soot or debris deposits. These can cause imperfect flame appearance and should be removed by lightly vacuuming. Replace all misplaced coals/logs and relight.

NOTE: On the failure of either the pilot burner/ignition unit, or main control valve, have repairs carried out by a competent person.

8.2 RENEWING PILOT BURNER/IGNITION UNIT (Fig.1(a) and (b))

8.2.1 Isolate gas supply.

8.2.2 Remove all coal/logs, remove front grate bars where applicable - store in a safe place.

8.2.3 Disconnect main 8mm gas supply pipe from control valve (*fig.2(a) and (b)*).

8.2.4 Remove appliance fixing screws from fireplace floor and remove appliance from fireplace.

8.2.5 Undo and remove thermocouple nut from the rear of control valve.

8.2.6 Disconnect and remove piezo ignition wiring from ignition electrode (*fig.1(a) and (b)*).

8.2.7 Undo and remove the 4mm gas supply pipe from the bottom of pilot burner (*fig.1(a) and (b)*).

8.2.8 Undo and remove 2 x 4mm locating nuts/screws on pilot/ignition unit. Remove unit.

8.2.9 Replace with new unit and reassemble in reverse order.

8.3 RENEWING FLAME FAILURE CONTROL VALVE (Fig.2(a) and (b)

8.3.1 Proceed as **8.2.1** to **8.2.5.**

8.3.2 Undo and remove the main burner gas supply pipe (*fig.2(a) and (b)*).

8.3.3 Undo and remove the pilot gas supply pipe located on the body of the main valve (*fig.2(a) and (b)*).

8.3.4 Remove Control Knob by pulling firmly (*fig.2(a) and (b)*).

8.3.5 Remove Control Valve Cover (*fig.2(a) and (b)*).

8.3.6 Remove Main Valve Unit by removing securing nut or screw.

8.3.7 Replace with new unit and reassemble in reverse order.

PARTS

NOTE: Both types of control valves and pilots (oxy depletion devices) can be fitted and used with each size of burner.
Check which one has been used before ordering spares.

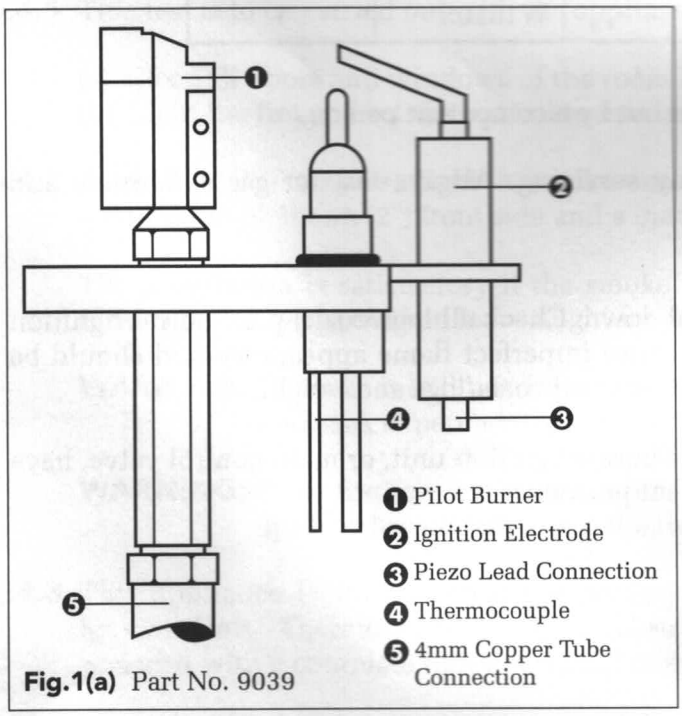


Fig.1(a) Part No. 9039

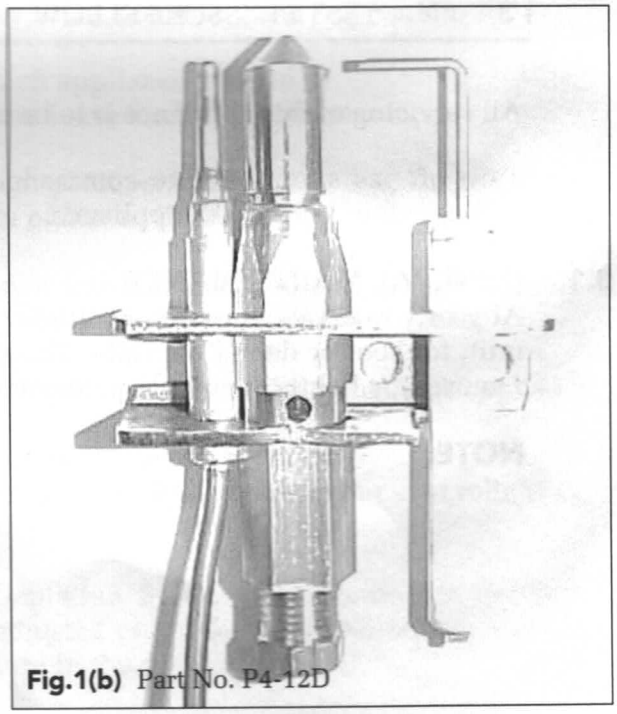


Fig.1(b) Part No. P4-12D

Fig.2(a) Part No. V3-99A

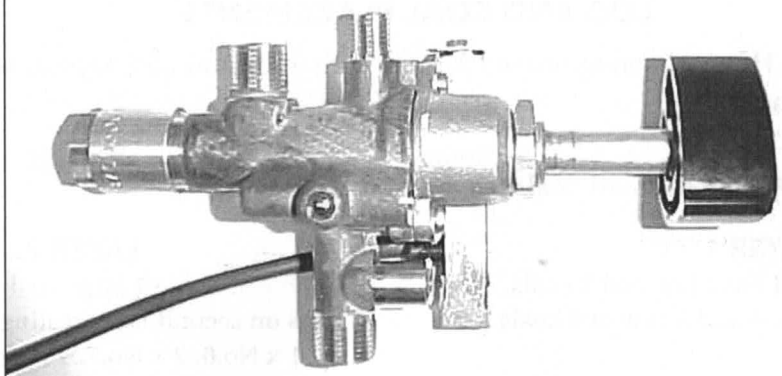


Fig.2(b) Part No. BM733-03-015

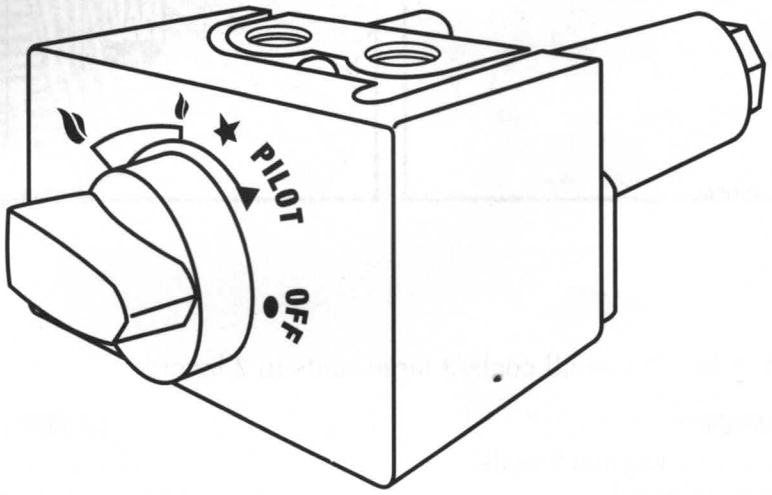
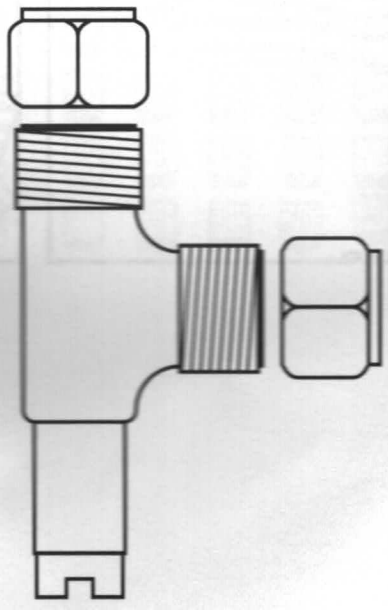


Fig.3 Part No. W13105

NOTE:
Used in conjunction with electrical remote control. When unit is fitted with manual push button valve, use pressure test point incorporated in valve body



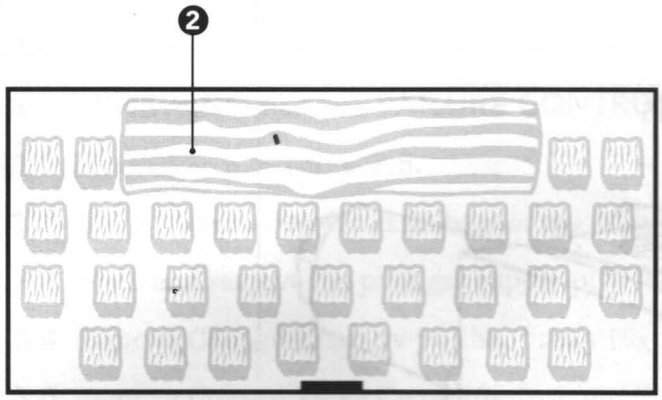
APPENDIX 1

LOG AND COAL PLACEMENTS

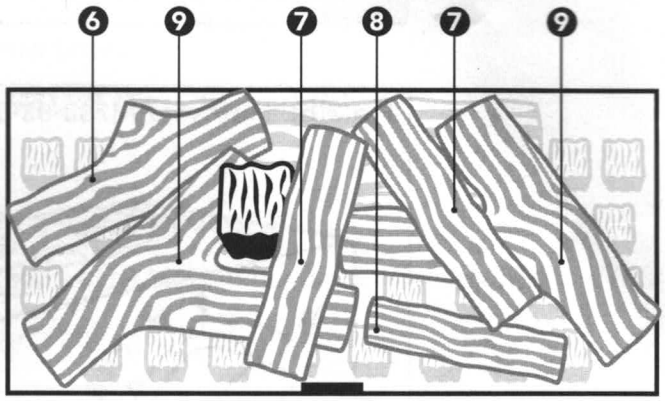
Sizes **E**, **F**, **G** and **H** have been approved for use with a log and coal layout, see details below for specific arrangements.

SIZE 'E' – 11.5 KW: 7 logs/31 small coals/1large coal in 2 layers.

LAYER 1.
1st row of 2 coals, 1 No.2 Log and 2 coals.
1 row of 10, 1 row of 9 and 1 row of 8 coals.

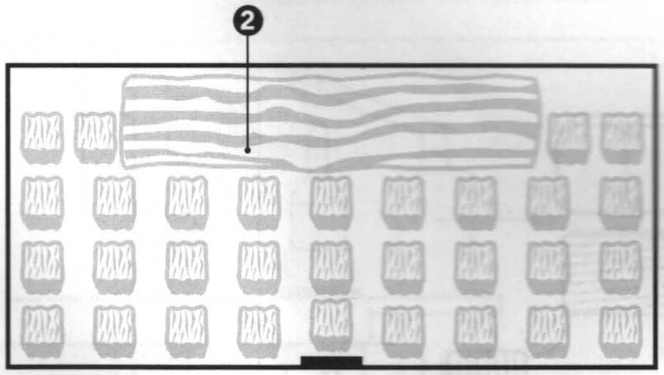


LAYER 2.
1 large coal
6 Logs on second layer resting at various angles
1 x No.6, 2 x No.7, 1 x No.8, 2 x No.9

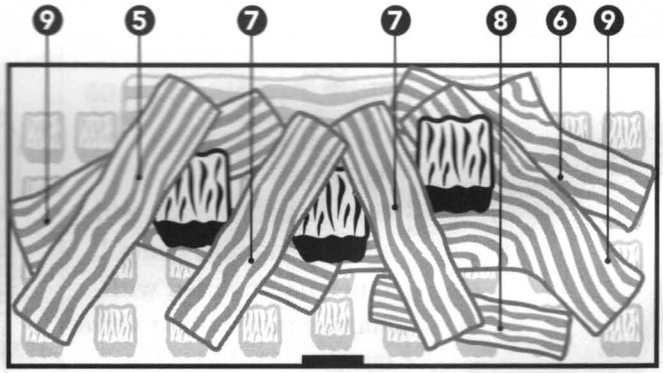


SIZE 'F' – 13.75 KW: 8 logs/31 small coals/3 large coals in 2 layers.

LAYER 1.
1st row of 2 coals, 1 No.2 Log and 2 coals,
then 3 rows of 9 coals.



LAYER 2.
3 large coals and
7 Logs on at various angles
1 x No.5, 1 x No.6, 2 x No.7, 1 x No.8, 2 x No.9



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